

Training/Activity Manuals

Corridors of Exploration: Iowa's Rivers

This activity book for grades 4-8 includes information about the exploration of Iowa via our river corridors and provides opportunities to compare current river conditions/issues to those encountered by early explorers.

Fish Iowa!

This comprehensive module to teach basic spincasting incorporates physical education, health, biology, geography, and family and consumer sciences into a program that focuses on fishing. It is designed for use in formal settings with middle school through senior high students, but easily adapts to nonformal programs such as camps, scout outings, etc. Program support includes free-loan rods and reels. Materials are available to Iowa educators and youth leaders only through mentor sessions (one-on one) and workshops.

Goin' With the Flow...Involving Students in Hands-on Stream Improvement Projects

This handbook is designed for educators and/or resource professionals interested in incorporating formal education into stream improvement projects. It includes a step-by-step procedure for setting up a project site with formal education components, as well as, various listings of resource persons and materials.

Hooked on Fishing, Not on Drugs®

This national, award-winning program combines angler education with drug use prevention and community involvement. Through fishing, students focus on building self-esteem, life skills, civic values, better relationships with family and community, and stewardship of aquatic resources. HOFNOD is offered through training sessions with the *Fish Iowa!* program.

Outdoor Skills

Two modules were designed for use with upper elementary through adult audiences. *An Introduction of Outdoor Skills in Iowa* provides a basic introduction to recreating in the outdoors including information about Iowa's natural resources and human interactions with these resources. *An Introduction to Canoeing/Kayaking* provides a basic introduction to canoeing and kayaking including information about the history of paddling, Iowa's aquatic resources and values related to them, types of paddling, equipment, basic strokes, paddling safety, and Iowa regulations.

Project Learning Tree

The *Project Learning Tree* Pre-K - 8th grade guide contains activities relating to trees, forestry, the interrelationships between organisms and their environment, and other ecological concepts. Over 10,000 Iowa educators and youth leaders have participated in PLT workshops. PLT is correlated to the National Standards for Science and Social Studies.

Projects WILD and WILD Aquatic

These programs allow student experiences to be the source of the teaching. The guides are full of activities that may be immediately added to any K-12 curriculum. More than 12,000 Iowa educators have participated in workshops and use the materials with more than 500,000 Iowa youth.

Action/Involvement Programs

IOWATER

This volunteer water quality monitoring program includes training, a manual, and equipment for monitoring Iowa waters.

NatureMapping

This program teaches citizens how to monitor and report wildlife and the habitats they observe them in. Citizen volunteer data can be used to document the distribution and relative abundance of Iowa wildlife species.

Taking ACTION: An Educator's Guide to Involving Students in Environmental Action Projects

This guide inspires ideas and provides models for conducting effective environmental projects. It helps educators plan, implement, and evaluate environmental action projects. Samples of more than 30 projects are included.

Trees for Kids/Teens

The goals of this tree education and planting program are to educate students about the values of trees and to encourage the planting of landscape size trees (four to six feet tall) on school grounds or other public areas.

Demonstration Models/Kits

EnviroScapeTM

This desktop model was developed by the Terrene Institute to demonstrate point and nonpoint sources and prevention of pollution in a watershed. Over sixty of these models are located with county conservation boards, soil and water conservation districts, colleges, and other environmental education organizations in Iowa. They can be used to enhance activities from *Project WILD Aquatic* and other curriculum materials designed for use in both schools and nonformal settings.

Stream Table

This model shows how sediment, vegetation, and flowing water interact in a dynamic stream system. It can be used to provide an interactive, hands-on demonstration for participants of all ages. Over twenty of these models are located with county conservation boards, fish hatcheries, and nature centers.

Other Resources

Biodiversity of Iowa: Aquatic Habitats CD

This searchable CD contains information about aquatic habitats in Iowa and some 370 plants, animals, and other species that live here. Each species account includes the following information: color photos, scientific classification, features, natural history, habitats, range map, sound, and status. It can be used as a classroom resource, or in non-formal educational settings. It is an excellent supplement to educational materials such as *Projects WILD*, *WILD Aquatic*, *Learning Tree*, and *Fish Iowa!*

For more information about any of these resources, contact: Aquatic Education Program,
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